Title: SEMICONDUCTOR SINGLE CRYSTAL MANUFACTURING APPARATUS AND GRAPHITE CRUCIBLE (Tetsuhiro IIDA, Akiko NODA, Junsuke TOMIOKA) Filed: 3/31/2005 Attorney Dkt No.: 1110/98318 (SHEET 1 OF 7)

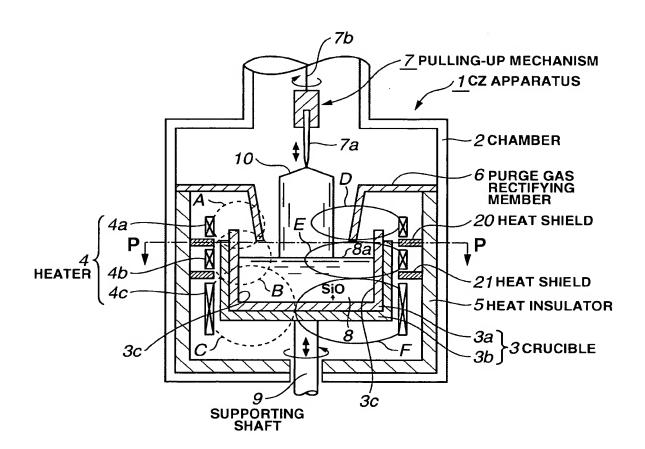


FIG.1

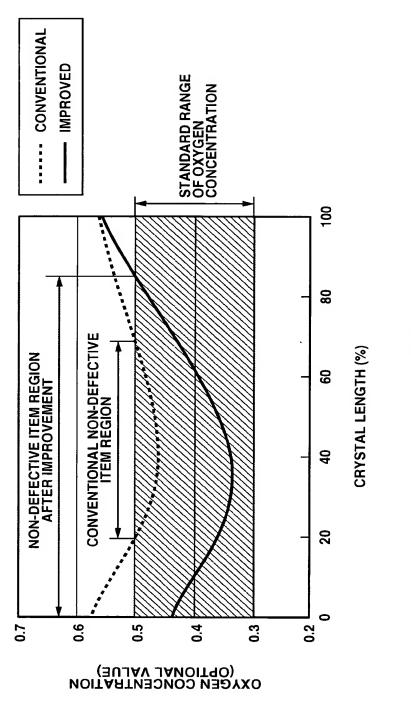
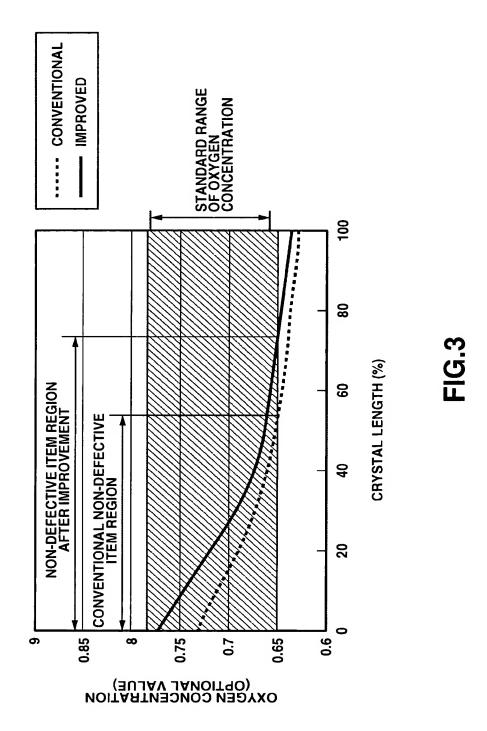


FIG.2



Title: SEMICONDUCTOR SINGLE CRYSTAL MANUFACTURING APPARATUS AND GRAPHITE CRUCIBLE

(Tetsuhiro IIDA, Akiko NODA, Junsuke TOMIOKA) Filed: 3/31/2005 Attorney Dkt No.: 1110/98318 (SHEET 4 OF 7)

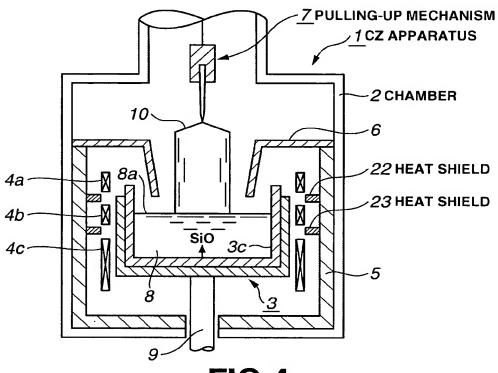


FIG.4

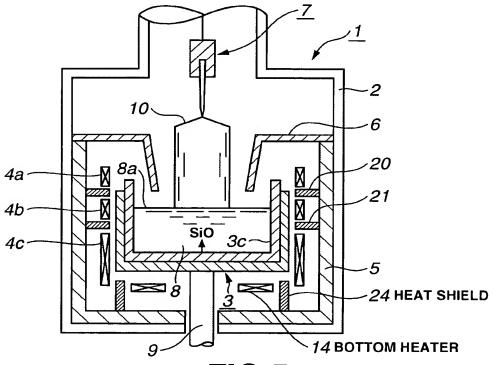
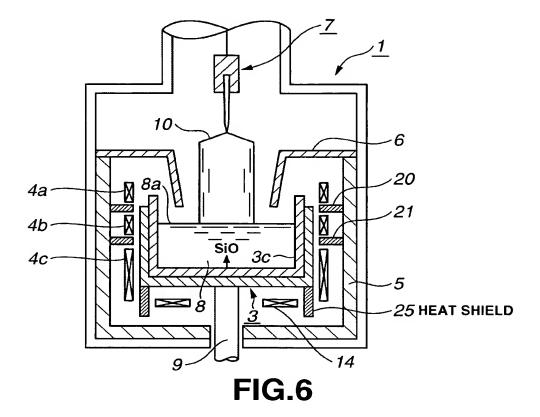


FIG.5

Title: SEMICONDUCTOR SINGLE CRYSTAL MANUFACTURING APPARATUS AND GRAPHITE CRUCIBLE (Tetsuhiro IIDA, Akiko NODA, Junsuke TOMIOKA) Filed: 3/31/2005 Attorney Dkt No.: 1110/98318 (SHEET 5 OF 7)



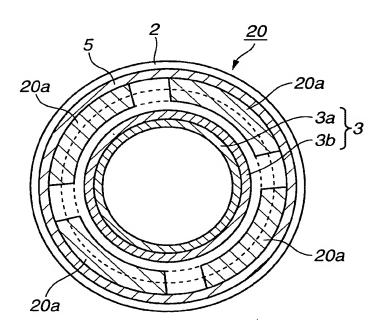


FIG.7

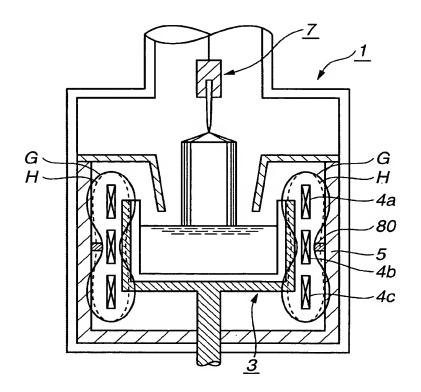


FIG.8

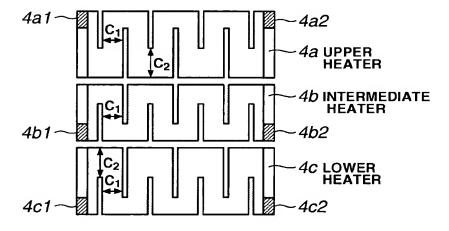


FIG.9

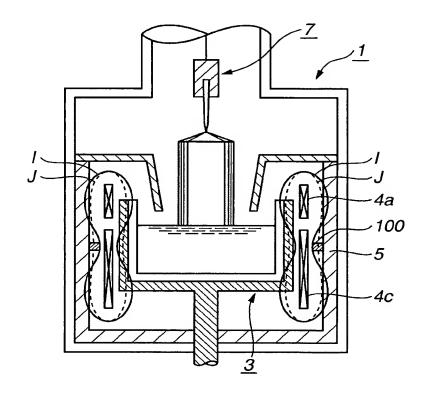


FIG.10

